

**ABSTRACT OF THE DISCLOSURE**

5           A solid-state device includes a terminal having a plurality of fingers that  
are arranged so that the device is heat transfer balanced. The fingers are arranged  
in a row and are spaced non-uniformly. Preferably, each of the fingers is  
associated with a corresponding one of a plurality of sub-cells, the sub-cells being  
arranged in at least one row and being spaced so that at least one of consecutive  
adjacent pairs of the sub-cells are spaced differently. The peak oscillation  
10 frequency,  $f_{\max}$ , associated with the device is generally independent of the number  
of, for example, emitter finger